



One Pot DLE-GS

PRODUCT TECHNICAL DATA SHEET

APPLICATIONS

Pure Photopolymer emulsion for use on Projection and/or DLP units. For use with UV and solvent based ink systems.

PHYSICAL PROPERTIES

- Blue/Green colored PVA-SBQ Pure Photopolymer Direct Emulsion
- Outstanding resolution and definition of fine lines and halftones
- Pre-sensitized for immediate use.
- 50% faster than existing PVA-SBQ sensitized emulsions
- Excellent for use with UV and solvent based ink systems
- Virtually pin hole and fish eye free
- Extremely durable on press
- 37% solids content

HANDLING

Handle under yellow safelights. Avoid exposure to sunlight, fluorescent, and incandescent lights.

SENSITIZING

This PVA-SBQ direct emulsion is ready to use. There is no need to add sensitizer.

MESH PREPARATION

It is important to remove any contamination, residual inks, cleaning chemistry, or general dirt and dust. Murakami 701 Haze/Ghost Remover (a non-caustic water soluble liquid) will remove residual ink and/or emulsion. Murakami 801 Screen Degreaser will help eliminate any further contaminants. Completely dry the screen before coating.

COATING PROCEDURE

- Use a clean dry coating trough that has a nick free surface for smooth coating.
- Apply one coat of emulsion to the print side. Rotate the frame 180 degrees and apply one coat of emulsion to the squeegee side.
- Additional coats may be added to the print side if thicker stencil are required.

DRYING

Dry the coated screen horizontally with the print side down in a clean light safe area. The following will help to ensure complete drying:

- 86 ° to 104 ° degrees F (30° to 40° C)
- 30% to 50% relative humidity
- Good air circulation

The use of a screen drying cabinet with heated airflow can help in maintaining these conditions.

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EXPOSURE

Exposure is affected by mesh color, emulsion type, coating thickness. For best results use an exposure calculator to determine the correct exposure time. It is important that a lamp designed for exposing screen printing emulsions is utilized.

Exposure Time:

Times will vary depending on coating procedure and type of system. It is recommended that a complete exposure calculator test be made to determine the correct exposure.

Note: Post exposure will maximize solvent resistance.

WASHOUT



Gently spray both sides of the screen with lukewarm water, wait a few seconds to allow emulsion to soften then wash print side of screen until image is fully open. Rinse both sides thoroughly and dry. The use of a drying cabinet or fans is recommended to dry the screen.

RECLAIMING

- Use Murakami 501, 505 or 507 Screen Cleaner to remove all excess ink from the frame.
- Remove the emulsion with Murakami 601, 605, or a solution of Strip Super-P. Rinse thoroughly.
- Use Murakami 701 to remove haze and ghost if required.
- Degrease with Murakami 801, rinse both sides thoroughly and let dry.

STORAGE & HANDLING

Store the emulsion in a cool dry area. The shelf life of Murakami PVA-SBQ emulsions is up to three years when stored at room temperature. Do not allow the emulsion to freeze.

Use Murakami PVA-SBQ emulsion within one year for best results.

Coated screens may be stored for up to six month when kept under the following conditions.

- 59 ° to 77 ° degrees F (15° to 25° C)
- 30% to 50% relative humidity

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